

### **REMARKS/ARGUMENTS**

In response to the Office Action dated December 28, 2004, Claims 1-89 now remain in the application. Claim 30 has been amended.

Claims 1-89 were subject to restriction/election.

No new matter has been added.

### **Election/Restrictions**

The application contains claims directed to the following patentability distinct species of the claimed invention:

Species I - appears to relate to Claims 1-4, 6, 30 and 32-34 (noting the inclusion of a desired depth limitation)

Species II - appears to relate to Claims 1, 11 and 37-39 (noting the inclusion of crystal damage or amorphization)

Species III - appears to relate to Claims 1, 12-14 and 35 (noting the inclusion of dielectric surface enhancement)

Species IV - appears to relate to Claims 1, 7-10, 15-21, 31, 40-43 and 75 (noting the inclusion of a passivation process gas)

Species V - appears to relate to Claims 1 and 22-25 (noting the inclusion of a pre-cleaning wafer step)

Species VII - appears to relate to Claims 1 and 36 (noting the inclusion of plural dielectric gases)

Species VIII - appears to relate to Claims 1 and 44-51 (noting the inclusion of RF or DC bias power)

Species IX - appears to relate to Claims 1 and 52-55 (noting the inclusion of single burst bias power)

Species X - appears to relate to Claims 1, 5 and 56-62 (noting the inclusion of a bias frequency)

Species XI - appears to relate to Claims 1 and 63-73 (noting the inclusion of first and second atomic elements)

Species XII - appears to relate to Claims 1, 74, 76 and 86  
(noting the inclusion of chamber cleaning)

Species XIII - appears to relate to Claims 1 and 77 (noting  
the inclusion of a optical metrology chamber)

Species XIV - appears to relate to Claims 1 and 78-82  
(noting the inclusion of an ion beam apparatus)

Species XV - appears to relate to Claims 1 and 85 (noting  
the inclusion of a photoresist strip chamber)

Species XVI - appears to elate to Claims 1 and 87-89 (noting  
the inclusion of a second plasma immersion ion implant reactor)

Applicants hereby provisionally elect the claims of Species  
I, specifically, claims 1-4, 6, 30 and 32-34.

# **SUMMARY**

In view of the foregoing election and remarks, it is felt that the election/restriction imposed by the examiner has been satisfied. Therefore, allowance of the application is respectfully requested.

If, However, the Examiner believes that there are any unresolved issues requiring adverse final action in any of the claims now pending in the application, the Examiner should telephone Robert Wallace at (805) 644-4035 so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,



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